

Fig. 1

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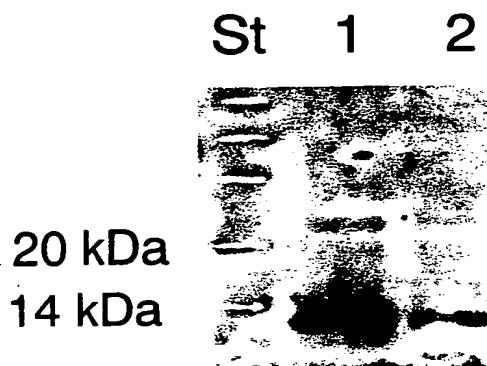
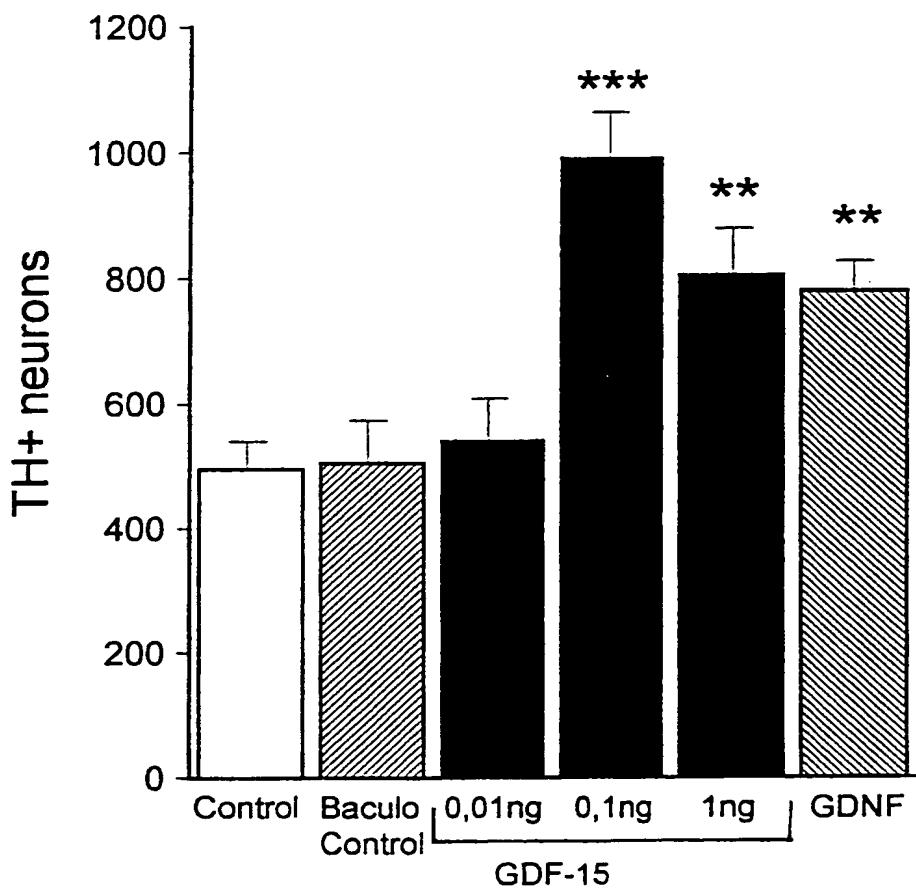


Fig. 2

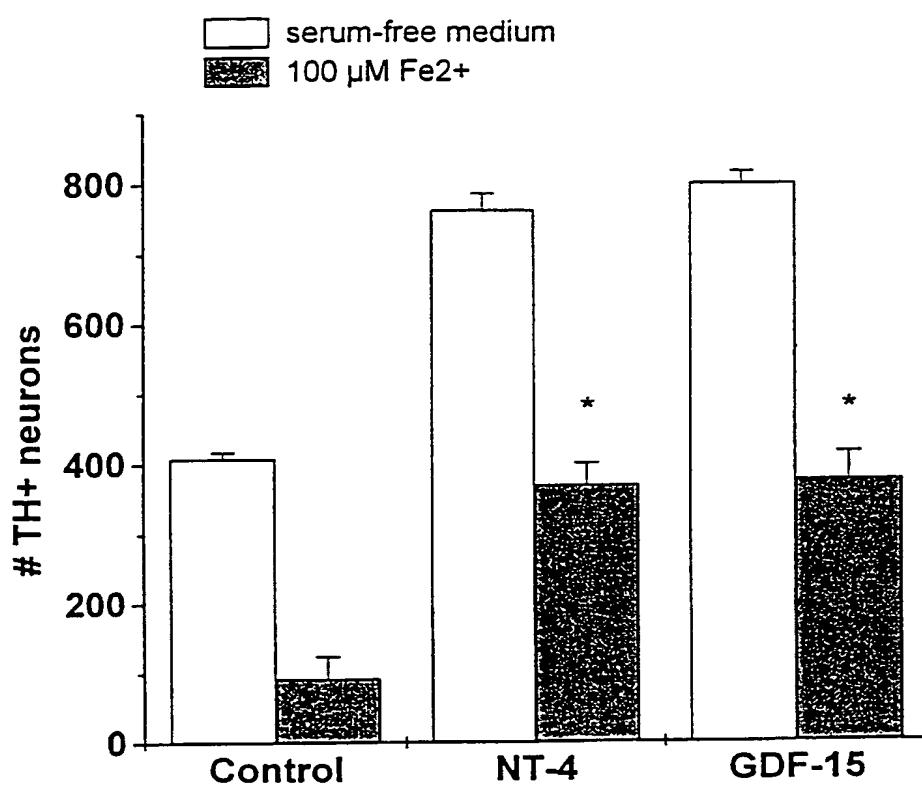
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Fig. 3



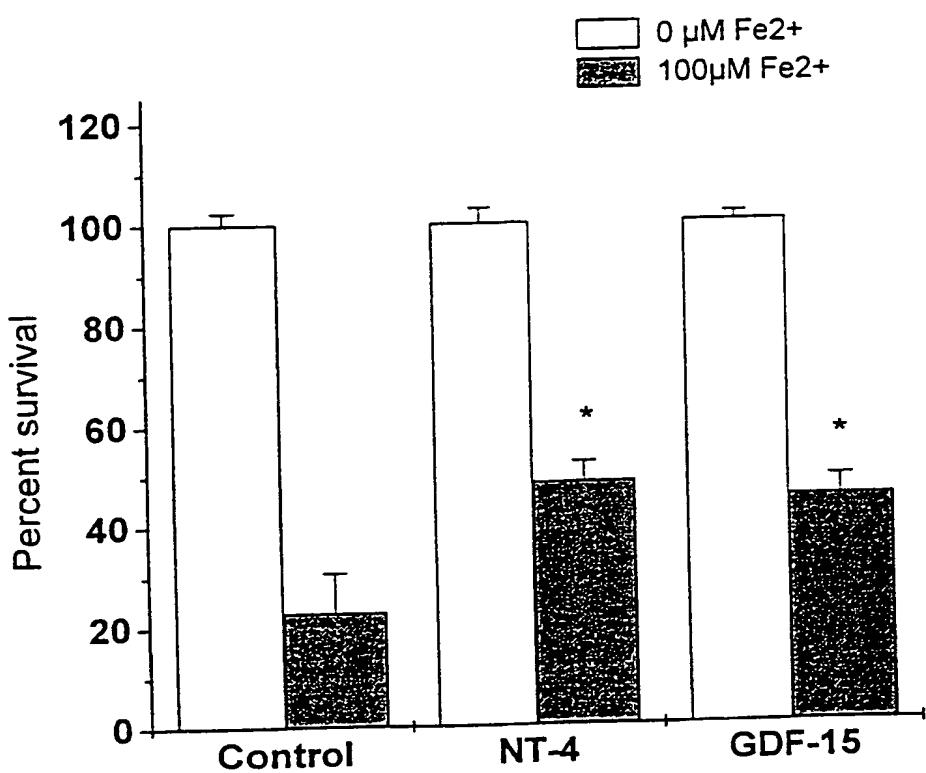
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Fig. 4A



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Fig. 4B



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Fig. 5A

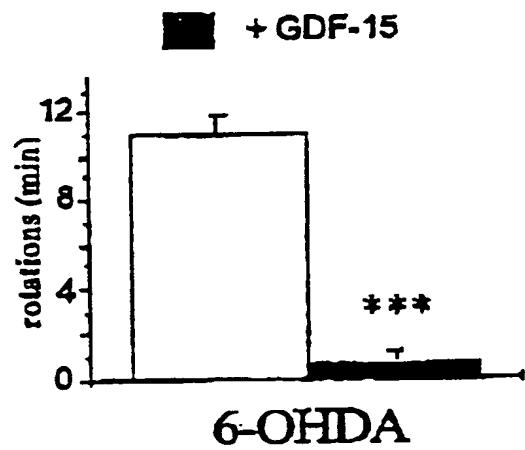
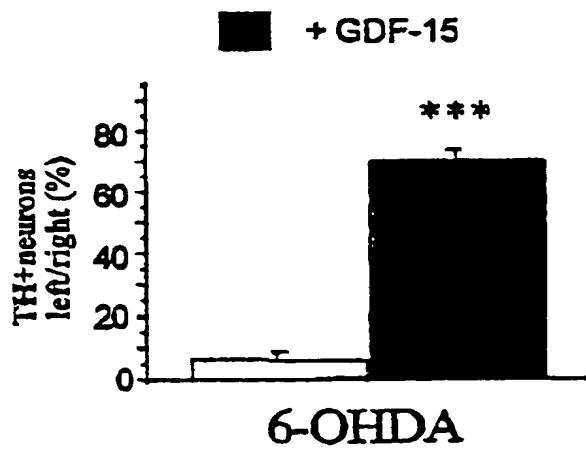
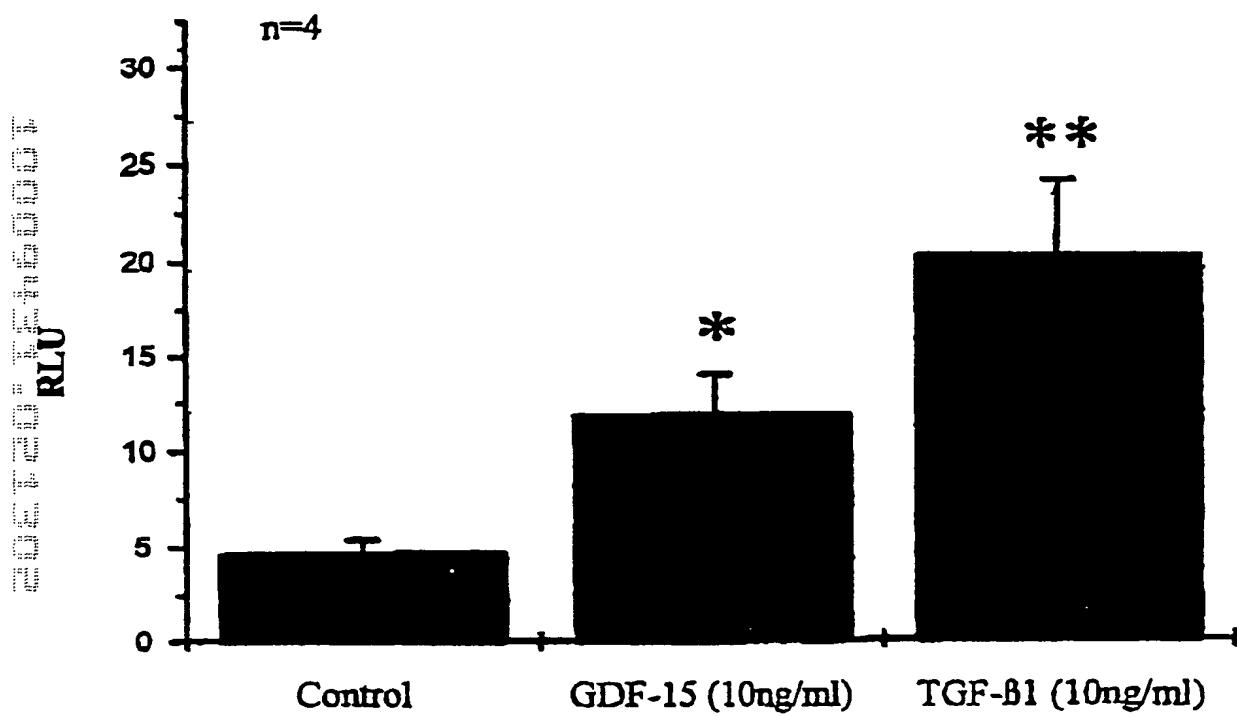


Fig. 5B



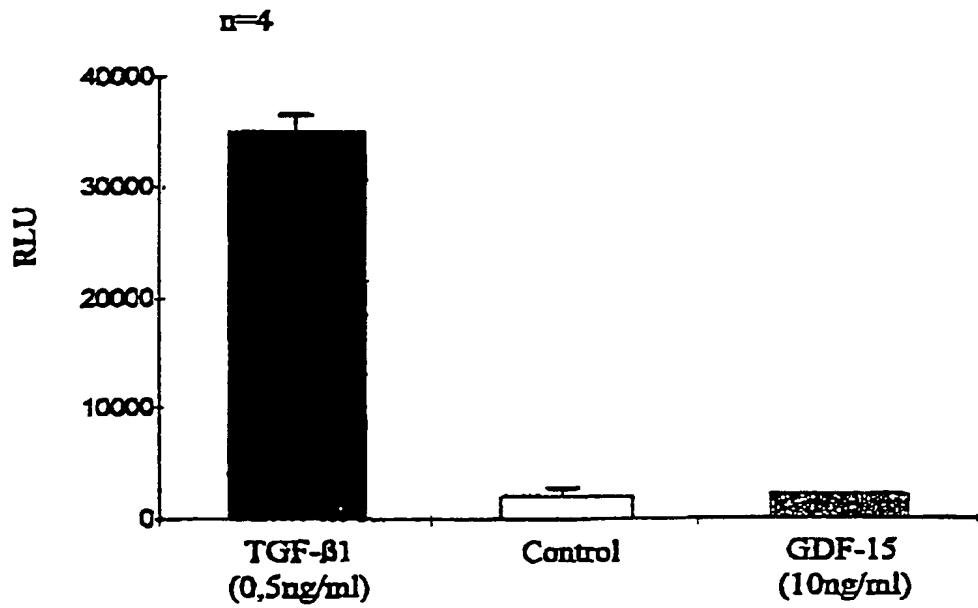
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Fig. 6A



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Fig. 6B



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Fig. 7A

cDNA hGDF-15 (pre-pro-mature)

ATGCTCCTGGTGTGCTGGTGCCTCGTGGCTGCCGCATGGGGCGCCCTGTCTCTGGCCG
AGGCGAGCCGCGCAAGTTCCCGGGACCCCTCAGAGTGCACTCCGAAGACTCCAGATTCCG
AGAGTTGGGAAACGCTACGAGGACCTGCTAACCAAGGCTGCGGGCCAACCAGAGCTGGGAA
GATTGAAACACCGACCTCGTCCCAGCCCTGCAGTCGGATACTCACGCCAGAAGTGCGGC
TGGGATCCGGCGGCCACCTGCACCTGCGTATCTCTCGGGCCGCCCTCCGAGGGGCTCCC
CGAGGCCTCCCGCCTTACCGGGCTCTGTTCCGGCTGTCCCCGACGGCGTCAAGGTGTTGG
GACGTGACACGACCGCTGCGCGTCAGCTCAGCCTGCAAGACCCCAGGCGCCCGCTGC
ACCTGCGACTGTGCCGCCGTCGAGTCGGACCAAATGCTGGCAGAATCTCGTCCGC
ACGGCCCCAGCTGGAGTTGCACTTGCAGGCCAAGCCGCCAGGGGGCGCCGAGAGCGCGT
GCGCGCAACGGGACGACTGTCCGCTCGGGCCGGCGTTGCTGCCGTCTGCACACGGTCC
GCGCGTCGCTGGAAGACCTGGGCTGGCCGATTGGGTGCTGTCGCCACGGGAGGTGCAAGT
GACCATGTGCATCGCGCGTGCCTGAGCCAGTTCCGGCGGCAAACATGCACGCCAGATC
AAGACGAGCCTGCACCGCCTGAAGCCGACACGGTGCCAGGCCCTGCTGCGTCCCCGCA
GCTACAATCCCATGGTGCTCTTACAAAAGACCGACACCAGGGTGTGCTCCAGACCTATGA
TGACTTGTAGCAAAGACTGCCACTGCATATGA

Fig. 7B

protein hGDF-15 (pre-pro-mature)

MLLVLLVLSWLPHGGALSLAEASRASFPGPSELHTEDSRFRELKRYE
DLLTRLRANQSWEDSNTDLVPAPAVRILTPEVRLGSGGHLHLRISRAALPEGLPEASRLH
ALFRLSPTASRSWDVTRPLRRQLSLARPQAPALHLRLSPPPSQSDQLLAESSSARPQLELH
LRPQAARGRRRARARNGDHCPLGPGRCRRLHTVRASLEDLGWADWVLSPREVQVTMCIGAC
PSQFRAANMHAQIKTSLHRLKPDTVPAPCCVPASYNPMVLIQKTDTGVSLLQTYDDLLAKDC
HCl

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Fig. 8A

cDNA hGDF-15

(mature)

GCGCGCAACGGGGACGACTGTCCGCTCGGCCGGCGTTGCTGCCGTCTGCACACGGTCC
GCGCGTCGCTGGAAGACCTGGGCTGGGCCGATTGGGTGCTGTCGCCACGGGAGGTGCAAGT
GACCATGTGCATCGGCGCGTCCCCGAGCCAGTTCCGGCGGCAAACATGCACGCGCAGATC
AAGACGAGCCTGCACCCGCTGAAGCCCACACGGTGCCAGCGCCCTGCTGCGTGCCGCCA
GCTACAATCCCATGGTGCTCTAACAAAGACCGACACCGGGGTGTCGCTCCAGACCTATGA
TGACTTGTAGCAAAGACTGCCACTGCATATGA

Fig. 8B

protein hGDF-15

(mature)

ARNGDHCPLGPGRCCRLLHTVRASLEDLGWADWVLSPREVQVTMCIGACPSQFRAANMHAQI
KTSLHRLKPDTVPAPCCVPASYNPMVLIQKTDGVSLQTYDDLLAKDCHCI